Kelvinator

Hot Water Systems

Gas Continuous
Solar Systems
Heat Pumps

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Australians love a Kelvinator

Kelvinator has kept its promise of delivering on performance and reliability to Australians for over 90 years.

Today we combine our collective experience in refrigeration and air conditioning to bring you a range of energy efficient hot water systems, designed to be sensitive to our environment, your family, and your energy bill.

Whether it's the latest Gas Continuous, Solar systems or Heat Pump technology, Kelvinator is the trusted choice.

You can relax knowing whichever Kelvinator hot water system you choose, you'll enjoy reliable hot water for years to come.

Kelvinator. Australia's choice for quality hot water.

A choice you'll be comfortable with

With a full range of quality hot water solutions offering proven technology, including cold-climate options, Kelvinator has you covered – no matter where you live.

- **Heat pump**
  Extracts heat from the air to provide hot water using less energy than an electric storage system.
- **Gas continuous**
  Heats water on demand using gas, providing endless hot water that never runs out.
- **Solar**
  Catches free energy from the sun to heat water and reduce power bills, using flat panel technology or our high efficiency evacuated tubes for colder climates and homes where optimum installation conditions cannot be achieved.

  Solar electric boosted
  Solar energy heats the water in the panels or evacuated tubes, but if there is insufficient sunlight, an electric booster is available to provide the required amount of hot water.

  Solar gas boosted
  Solar energy heats the water in the panels or evacuated tubes, but if there is insufficient sunlight, the gas booster is able to provide the required amount of hot water.

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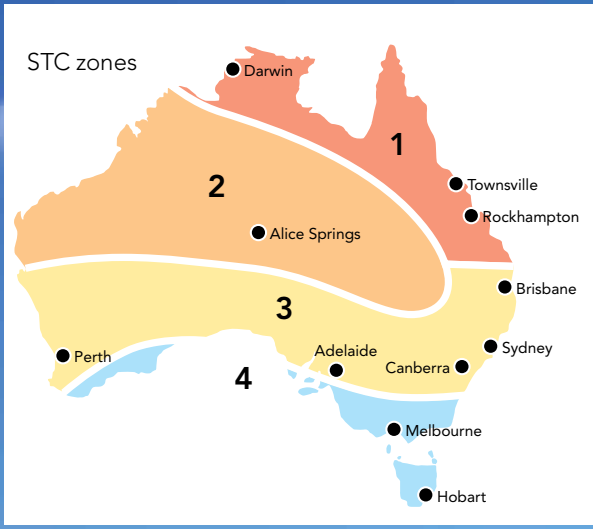
Do your bit, save a bundle

Water heating accounts for around 25% of the average household's energy usage.

The full range of Kelvinator hot water systems are designed to be kind to the environment, and your hip pocket.

Gas is one of the most environmentally friendly fuel sources available, while solar hot water systems and heat pumps have quickly become mainstream because of their reduced running costs and lower environmental impact.

Over the last few years, the number of solar hot water installations has increased significantly, reflecting the popularity of this environmentally friendly option.



What Government incentives are available?

All solar and heat pump systems installed after 1 January 2011 are entitled to environmental credits called Small-scale Technology Certificates (STCs).

The number of STCs that can be created depends on the model of solar system or heat pump water heater, and the region where it's installed. The value of an STC is not fixed and can change from time to time.

To review the latest about STCs and government incentives in general, visit www.orer.gov.au

Which system is right for you?

There are a number of factors to consider when choosing a hot water system.

A trusted brand, running costs, available space, and environmental factors all play a part when deciding which hot water system best suits your needs.

Capacity is important too, so consider:

- How many bathrooms you have
- How many people live in your house
- If you have a dishwasher or washing machine connected to your hot water
- How often you enjoy a bath
- Whether you live in a hot or cold climate area
- If you have natural gas available in your area

Kelvinator offers a comprehensive range of hot water systems, so we're confident you'll find a solution your whole family will feel comfortable with, now and in the future.

Heat pump and solar hot water systems	Capacities			Connection type		Cold climate protection	Available for STC rebates
	270L (2-4 people)#	340L (3-5 people)#	450L (4-6 people)#	Electrical	Gas		
Heat pump	✓	✓	✓	✓		✓	✓
Solar electric flat panel	✓	✓	✓	✓			✓
Solar electric evacuated tubes	✓	✓	✓	✓		✓	✓
Solar gas flat panel	✓	✓			✓		✓
Solar gas evacuated tubes	✓	✓			✓	✓	✓

#This number is based on electricity supply being Off Peak 2 and average hot water usage under the WELS scheme. Other variables may affect hot water volumes e.g. the electricity connection and the extra appliances using hot water (dishwashers and washing machines) – For expert advice refer to your preferred installer.

Gas continuous flow hot water systems	Number of bathrooms		Gas type		Cold climate protection	Installation	
	1 to 1.5	1.5 to 3	Natural gas	LPG gas		indoor	outdoor
Gas continuous flow- 20L/min	✓		✓	✓	✓		✓
Gas continuous flow- 26L/min		✓	✓	✓	✓		✓

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EcoKnight heat pump hot water systems

With over 90 years experience in refrigeration technology, Kelvinator has developed a heat pump to reduce your hot water energy use.

Kelvinator EcoKnight heat pump technology takes heat from the air to provide hot water for your household. Using R410a refrigerant, it works day or night in all weather conditions. So whether you live in the snowy mountains or the tropical north, you can be assured your Kelvinator EcoKnight heat pump will deliver.

How it works

Like a fridge in reverse, Kelvinator EcoKnight heat pump technology extracts warmth from the surrounding air to heat your water. It's a process that can work any time of day, even if it's cloudy or rainy, all year round.

The EcoKnight difference

Not only does the Kelvinator EcoKnight heat pump have a high efficiency for low running cost, it also has the option of a Power Boost heating element. The boost element can be activated for use 24 hours a day at the push of a button.

Model	Number of people	% of annual energy saving			
		Zone 1	Zone 2	Zone 3	Zone 4
KHPE270362A	2-4#	66.5	60.3	62.3	58.7
KHPE340362A	3-5#	65.9	59.1	61.9	58.4

- Energy and greenhouse gas emissions reduction as per ORER registration compared to an electric hot water system.

- All our Kelvinator heat pump systems are recommended to be connected to electricity supply on continuous or Off Peak 2 tariff.

This number is based on electricity supply being Off Peak 2 and average hot water usage under the WELS scheme. Other variables may affect hot water volumes e.g. the electricity connection and the extra appliances using hot water (dishwashers and washing machines). For expert advice refer to your preferred installer.

Power boost for fast heat up

Divert power to a heating element for fast heat up in those times of need, when you may have extra visitors or you have just returned from holidays. The power automatically reverts back to the heat pump after a 24 hour period.

Simple installation

Kelvinator EcoKnight heat pump is a perfect solution for the home when a solar system may not be the ideal option. The Kelvinator EcoKnight heat pump can usually be installed in the same position as the existing hot water system. Because of its split system design the storage tank can even be installed inside with the heat pump unit installed outside*.

* Max distance 5 metres apart.

Suitable for cold climates

Thanks to Kelvinator's R410a refrigerant, the EcoKnight heat pump reduces your energy consumption even when the outside temperature is -7°C.

Government incentives

Because the Kelvinator EcoKnight heat pump is so efficient, it is eligible for attractive government incentives. As they are subject to change, please visit visit www.orer.gov.au for more information about incentives applicable in your area.

Save your money

The Kelvinator EcoKnight heat pump has been designed to work in Off-Peak 2 Tariff, allowing you to reduce your energy bill all year round.

Installation overview

- Split system design gives greater installation flexibility
- Tank suitable for internal and external application (heat pump unit must be installed outside)
- Recommend installing on Off-Peak 2 and wiring in element on continuous power
- Must be installed by an authorised installer

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InstaKnight gas continuous flow systems

Kelvinator InstaKnight gas continuous flow systems ensure you'll never run out of strong, hot water. It's only heated when you need it, not stored, so it's good for your energy bills, and good for the environment.

How it works

The Kelvinator InstaKnight gas continuous flow system does not store water. Instead, when you turn on your hot water tap, water flows through the unit, heating the water instantly. With the option of a temperature control pad you can set the desired temperature without mixing cold water.

Out of sight

The Kelvinator InstaKnight gas continuous flow systems are cleverly compact, so they don't take up precious space like traditional hot water tanks. The Kelvinator InstaKnight also has the option of being recessed into the wall using the metal recess box*. With the slick modern design you won't even know it's there.

* Recess boxes are normally used on new constructions however they can be retrofitted

Superior efficiency

With the use of natural gas or LPG, the Kelvinator InstaKnight gas continuous flow systems deliver optimum energy efficiency with energy ratings up to 6 stars, saving the environment and your hip pocket.

Model	No. of bathrooms	Gas type	L/min	Preset °C	Star efficiency
KGC20BNA	1 to 1.5	Natural	20	50	6
KGC20BLA	1 to 1.5	LPG	20	50	6
KGC20KNA	1 to 1.5	Natural	20	60	6
KGC20KLA	1 to 1.5	LPG	20	60	6
KGC26BNA	1.5 to 3	Natural	26	50	5.3
KGC26BLA	1.5 to 3	LPG	26	50	5.3
KGC26KNA	1.5 to 3	Natural	26	60	5.3
KGC26KLA	1.5 to 3	LPG	26	60	5.3

A natural solution

Using natural gas, the Kelvinator InstaKnight gas continuous flow system will never run out of hot water, and by using gas over electricity, is better for reducing your household's carbon footprint.

Installation overview

- Must be wall mounted
- Only suitable for external installation
- Metal recess box available
- Kitchen mounted control pad available for easy and convenient water temperature selection.

KGC20BNA KGC26KNA

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SolarKnight systems: free hot water from the sun

Save energy, save money and help the environment at the same time. Heating your hot water using the free energy from the sun simply makes sense. Kelvinator makes the decision to convert to solar hot water easier with its range of quality solar collectors that will suit most applications.

The smart choice

Whether you choose Kelvinator SolarKnight flat panels or high efficiency SolarKnight evacuated tubes, you can be assured you'll be happy with the performance. Depending on your climate conditions you can expect energy saving between 50 and 95%* from your Kelvinator SolarKnight Solar System.

Both our flat panel and evacuated tube collectors are roof mounted and can be coupled with a choice of gas or electric boosted ground mounted tanks, for reliable hot water delivery even on the cloudiest days.

When choosing the best solar hot water collector for you, consider:

- Your geographical climate conditions
- The likelihood of frost
- The orientation of your roof in terms of sun exposure
- Any local authority requirements

*In accordance with ORER registration data

How solar collectors work

Water circulates through copper channels in the collectors where it is heated by the sun and returns to the storage tank ready for use. The operation continues while there is sufficient solar energy available or until the tank is full of hot water. If the weather conditions aren't ideal for heating the water, the electric or gas booster will operate to deliver the desired hot water.

Flat panels or evacuated tubes – which is right for you?

Kelvinator SolarKnight evacuated tubes have a higher efficiency and are frost resistant. Because of their vacuum seal they have less heat loss and can handle temperatures down to -15°C. They are recommended for all areas, including frost prone and alpine, or in applications where the ideal orientation or conditions cannot be gained.

Kelvinator SolarKnight flat panels are a familiar technology that has been installed in homes for years. Today the Kelvinator SolarKnight flat panels have increased energy efficiency thanks to the TiNOX coated surface which absorbs the sun's energy to heat the water at a rapid rate. While Kelvinator SolarKnight flat panels can handle cold climates we do not recommend installing them in frost prone areas.

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SolarKnight flat panels

Kelvinator SolarKnight flat panel collectors with high efficiency TiNOX coating, absorb the heat energy from the sun to rapidly heat the water. They can be used with either gas or electric boosted Kelvinator SolarKnight systems.

How it works

The water is heated by circulating through a series of copper pipes and plates, and is returned to the storage tank ready for use.

An environmental solution

Reduce greenhouse gas emissions while reducing your energy bills. The sun is the most economical energy source for heating water.

Super efficient technology

Kelvinator's advanced TiNOX selective surface technology increases the efficiency of your system by absorbing higher rates of solar energy.

Strong and durable

With an aluminum frame and toughened glass, Kelvinator SolarKnight flat panels are manufactured to withstand the harsh Australian climate. Kelvinator SolarKnight flat panels are also well insulated, minimising heat loss and condensation to ensure longevity of the system.

Installation overview

- Panels are installed on a north-facing roof for optimum efficiency
- Roof inclination should be between 10° and 30°
- Flat roof stands are available
- You'll need an area on your roof of at least 4m^2 for 2 panels*
- Tank is suitable for internal and external installation
- Must be installed by an authorised installer
- If you live in a frost-prone area, or a home where sunlight conditions aren't ideal consider SolarKnight evacuated tubes

* Check actual dimensions of the collectors and space required for connections and mounting kits to confirm suitability to your particular installation.

SolarKnight evacuated tubes

Specifically designed for cooler climates or areas where direct sunlight is limited, Kelvinator SolarKnight evacuated tube technology offers a more efficient way to heat your hot water.

SolarKnight evacuated tube technology can handle temperatures down to -15 °C. They are recommended for all areas, including frost prone and alpine, or in applications where the ideal orientation or conditions cannot be gained.

They can be used with either gas or electric boosted Kelvinator SolarKnight systems.

How it works

Water is circulated through the evacuated tubes using a copper U-shaped design. Sunlight passes through the evacuated tube and and is absorbed by the aluminium nitride selective surface inside which in turn transfers the heat to the water passing through the U tube. The vacuum in the tube minimises heat loss and protects from freezing in heavy frost or alpine areas.

Leading edge technology

Kelvinator SolarKnight evacuated tubes work from sunrise to sunset, with the reflector directing even diffused light to the centre of the tube maximising efficiency throughout the day in all weather conditions.

An environmental solution

Reduce greenhouse gas emissions while reducing your energy bills. The sun is the most economical energy source for heating water.

At ease in cold areas

Kelvinator SolarKnight evacuated tubes collect and retain heat easily, even when it's chilly outside. The system is designed to work in low temperatures, down to -15°C.

Installation overview

- The Kelvinator SolarKnight evacuated tube systems provide better efficiency in frost-prone or Alpine areas
- Panels are installed on a north-facing roof for optimum efficiency, however the direction the panels are facing is not as critical as for flat panels
- Roof inclination should be between 10° and 30°
- Flat roof stands are available from July 2012
- You'll need an area on your roof of at least 4m^2 for 2 panels*
- Tank is suitable for internal and external installation
- Must be installed by an authorised installer

*Check actual dimensions of the collectors and space required for connections and mounting kits to confirm suitability to your particular installation

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SolarKnight gas boosted systems

Enjoy government incentives and lower running costs* all year round with a quality Kelvinator SolarKnight gas boosted solar system.

How it works

Solar radiation is absorbed by flat panels or evacuated tubes, which transfer the heat to the water. The water is circulated back to the tank and is ready when you need it. If there's not enough solar heat available, the gas booster will activate automatically to provide the hot water you need.

Ready when you are

Even when the sun isn't shining, the gas booster ensures hot water is always ready to flow.

An environmental solution

A Kelvinator SolarKnight gas boosted system is one of the most efficient ways of heating your hot water, while reducing your household's energy consumption and greenhouse gas emissions.

Solar gas boosted flat panel

Model	No. of people	No. of collectors	% of annual energy saving			
			Zone 1	Zone 2	Zone 3	Zone 4
KSN27026F2A	2-4	2	82.0	88.5	66.7	54.8
KSL27026F2A	2-4	2	82.0	88.5	66.7	54.8
KSN27026F3A	2-4	3	92.2	94.7	79.1	65.2
KSL27026F3A	2-4	3	92.2	94.7	79.1	65.2
KSN34026F2A	3-5	2	82.4	88.9	67.0	55.0
KSL34026F2A	3-5	2	82.4	88.9	67.0	55.0
KSN34026F3A	3-5	3	93.2	95.3	80.0	65.9
KSL34026F3A	3-5	3	93.2	95.3	80.0	65.9

- Energy and greenhouse gas emissions reduction as per ORER registration compared to an electric storage hot water system.

- Other variables may affect hot water volumes e.g. the electricity connection and the extra appliances using hot water (dishwashers and washing machines) – For expert advice refer to your preferred installer.

Solar gas boosted evacuated tubes

Model	No. of people	No. of collectors	% of annual energy saving			
			Zone 1	Zone 2	Zone 3	Zone 4
KSN27026E2A	2-4	2	85.6	90.4	68.5	56.2
KSL27026E2A	2-4	2	85.6	90.4	68.5	56.2
KSN27026E3A	2-4	3	94.8	95.9	83.1	68.4
KSL27026E3A	2-4	3	94.8	95.9	83.1	68.4
KSN34026E2A	3-5	2	86.0	90.8	68.7	56.4
KSL34026E2A	3-5	2	86.0	90.8	68.7	56.4
KSN34026E3A	3-5	3	95.6	96.3	83.8	69.1
KSL34026E3A	3-5	3	95.6	96.3	83.8	69.1

– Energy and greenhouse gas emissions reduction as per ORER registration compared to an electric storage hot water system.

– Other variables may affect hot water volumes e.g. the electricity connection and the extra appliances using hot water (dishwashers and washing machines) – For expert advice refer to your preferred installer.

Government incentives

Enjoy valuable STC incentives and lower running costs* all year round thanks to our efficient Kelvinator SolarKnight system. As they are subject to change, please visit www.orer.gov.au for more information about STC's and incentives applicable in your area.

*Compared to the running costs/power bills of an electric storage water heater configured at the same tariff (continuous or off-peak).

Installation overview

- Ensure natural gas or LPG is available in your area
- Panels are installed on a north-facing roof for optimum efficiency
- Roof inclination should be between 10° and 30°
- Flat roof stands are available from July 2012
- You'll need an area on your roof of at least 4m^2 for 2 panels*
- Suitable for external installation only
- Must be installed by an authorised installer
- If you live in a frost prone area, or a home where sunlight conditions aren't ideal consider Kelvinator SolarKnight evacuated tubes

* Check actual dimensions of the collectors and space required for connections and mounting kits to confirm suitability to your particular installation.

Kelvinator

SolarKnight electric boosted systems

With attractive STC rebates and free energy from the sun, a Kelvinator SolarKnight electric boosted system can cut your power bills* and keep the hot water flowing all year round.

How it works

Whether you choose Kelvinator SolarKnight flat panel or Evacuated Tube collectors, water will be circulated through the collector where it is heated and returned to the storage tank ready for use.

Ready when you are

If there's not enough solar heat available, the electric booster will activate to provide all the hot water you need.

Replacing an existing system?

Replacing your existing electric hot water system with a Kelvinator SolarKnight electric boosted solar system is easy. It may be possible to install the new tank in the same position, connecting up to your existing hot water, cold water and power supplies.

Solar electric boosted flat panel

Model	No. of people	No. of collectors	% of annual energy saving			
			Zone 1	Zone 2	Zone 3	Zone 4
KSE270F2A	2-4#	2	78	85.2	61.5	49.2
KSE270F3A	2-4#	3	87.9	92.2	72.2	58.4
KSE340F2A	3-5#	2	79.4	86.5	62.9	50
KSE340F3A	3-5#	3	90.2	93.7	75.2	60.7
KSE450F3A	4-6#	3	91	94	75.9	60.8

- Energy and greenhouse gas emissions reduction as per ORER registration compared to an electric storage hot water system.

- All our Kelvinator solar electric boosted systems are recommended to be connected to electricity supply on continuous or Off Peak 2 tariff

This number is based on electricity supply being Off Peak 2 and average hot water usage under the WELS scheme. Other variables may affect hot water volumes e.g. the electricity connection and the extra appliances using hot water (dishwashers and washing machines). For expert advice refer to your preferred installer.

Solar electric boosted evacuated tubes

Model	No. of people	No. of collectors	% of Annual Energy Saving			
			Zone 1	Zone 2	Zone 3	Zone 4
KSE270E2A	2-4#	2	83	88	64.5	51.7
KSE270E3A	2-4#	3	93.4	94.8	80.1	65.4
KSE340E2A	3-5#	2	83.9	89.2	65.5	52.1
KSE340E3A	3-5#	3	93.7	95.4	79.9	64.7
KSE450E3A	4-6#	3	94.6	95.9	80.8	65.2

– Energy and greenhouse gas emissions reduction as per ORER registration compared to an electric storage hot water system.

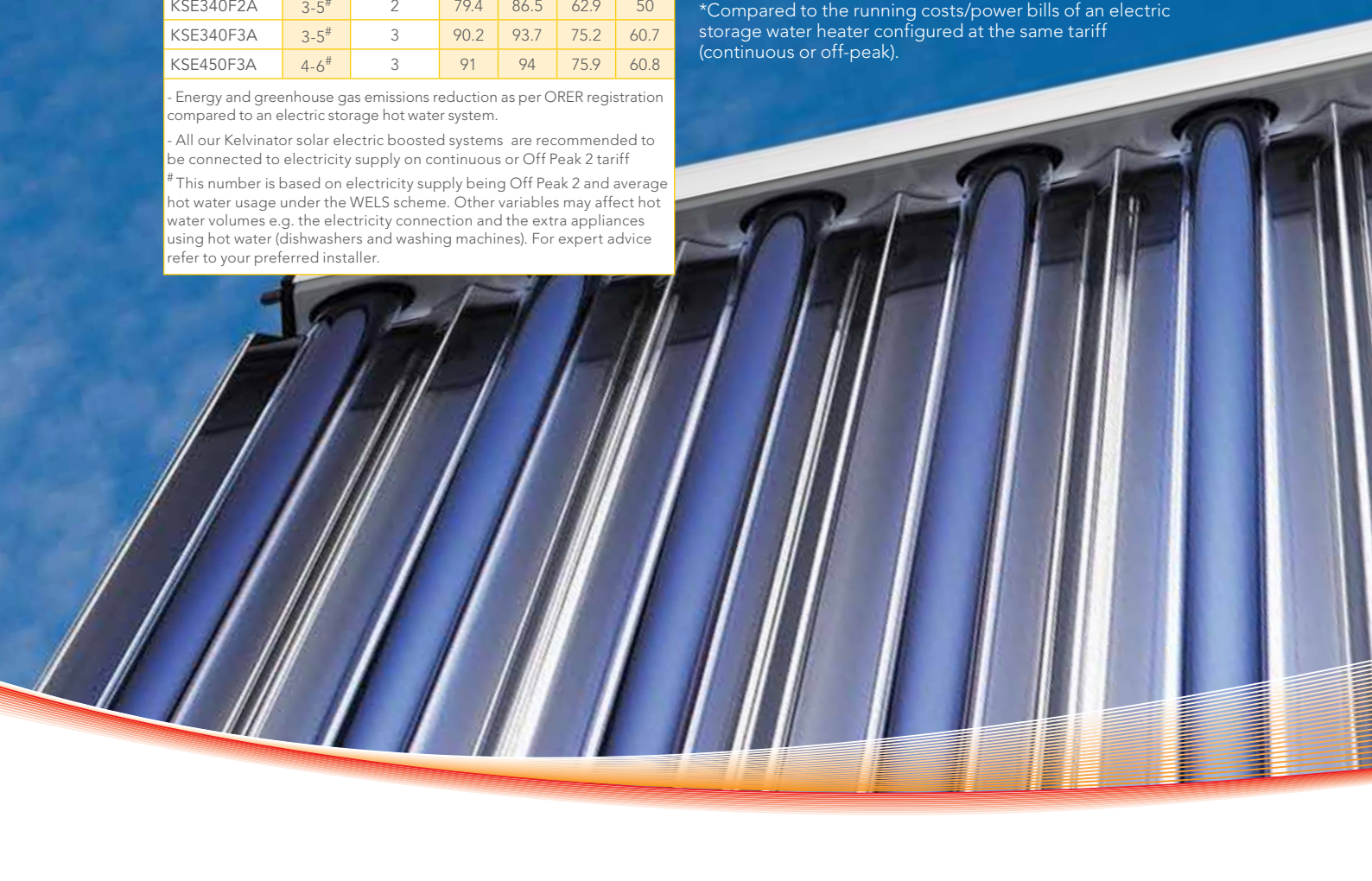
– All our Kelvinator solar electric boosted systems are recommended to be connected to electricity supply on continuous or Off Peak 2 tariff

#This number is based on electricity supply being Off Peak 2 and average hot water usage under the WELS scheme. Other variables may affect hot water volumes e.g. the electricity connection and the extra appliances using hot water (Dishwashers and Washing Machines) – For expert advice refer to your preferred installer.

Government incentives

Enjoy valuable STC incentives and lower running costs* all year round thanks to our efficient Kelvinator SolarKnight system. As they are subject to change, please visit www.orer.gov.au for more information about STC's and incentives applicable in your area.

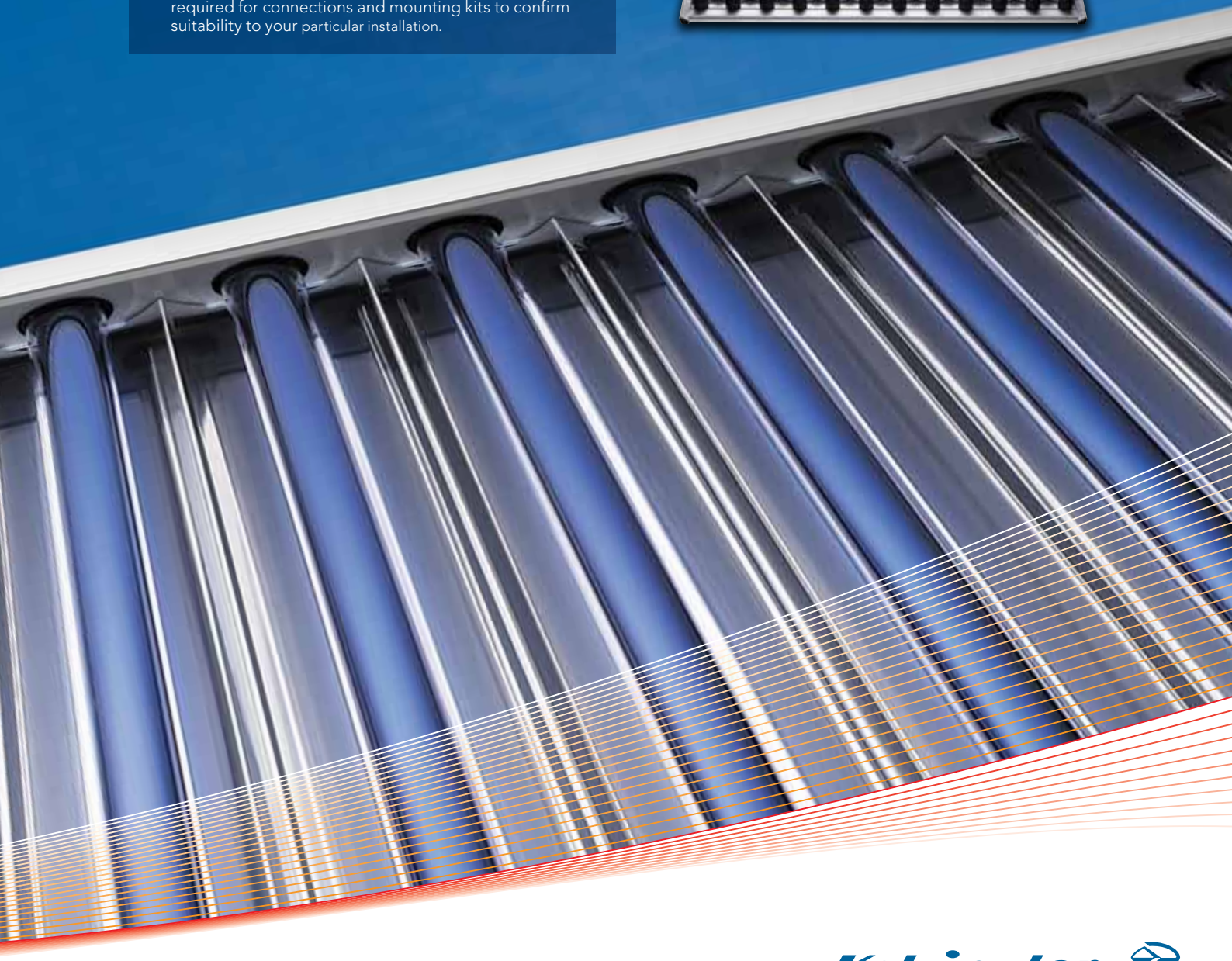
*Compared to the running costs/power bills of an electric storage water heater configured at the same tariff (continuous or off-peak).



Installation overview

- Recommend installing on Off-Peak 2, but can also be installed on continuous power supply
- Panels are installed on a north-facing roof for optimum efficiency
- Roof inclination should be between 10° and 30°
- Flat roof stands are available from July 2012
- You'll need an area on your roof of at least 4m^2 for 2 panels*
- Suitable for external installation only
- Must be installed by an authorised installer
- If you live in a frost prone or alpine area, or a home where sunlight conditions aren't ideal consider Kelvinator SolarKnight evacuated tubes

* Check actual dimensions of the collectors and space required for connections and mounting kits to confirm suitability to your particular installation.



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Kelvinator storage tanks

Robust and reliable

Kelvinator Storage Tanks are made from high quality vitreous enamel coated steel for long lasting performance. Kelvinator Storage Tanks also have the added protection of a sacrificial anode that protects the steel from corrosion.

Full range of sizes

With a range of Kelvinator Storage Tanks for your solar collectors or heat pump system, we're confident there's a system to suit your hot water needs. Whether you choose the 270 litre for a smaller family, 340 litre for a medium or growing family or our largest 450 litre for that high demand household, you can be assured that our quality tanks will perform.

Sizing chart

Use the chart below to work out which size tank you'll need for your household.

Kelvinator tank	Location	Dimension (H x D) in mm	Net weight (kg)	Number of people	Storage capacity (L)	Boost capacity
KCT27036A	indoor or outdoor	1390 x 648	95	2-4	270	3.6 kW
KCT34036A	indoor or outdoor	1690 x 648	110	3-5	340	3.6 kW
KCT45036A	indoor or outdoor	1715 x 730	140	4-6	450	3.6 kW
KCT27000A	indoor or outdoor	1390 x 648	95	2-4	270	N/A
KCT34000A	indoor or outdoor	1690 x 648	110	3-5	340	N/A

KCT27036A KCT34036A KCT45036A KCT27000A KCT34000A

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Heat pump dimensions and specifications

Product code	KHPE270362A	KHPE340362A
Number of people	2-4	3-5
Tank location	outdoor or indoor	outdoor or indoor
Outdoor module location	outdoor	outdoor
Max distance heat pump/tank (m)	5	5
Dimensions		
Tank (H x D in mm)	1390 x 648	1680 x 648
Module (W x H x D in mm)	790 x 765 x 275	790 x 765 x 275
Net weight (kg)		
Tank	95	110
Module	62	62
Technical specifications		
Capacity (L)	270	340
Maximum power rating including tank element operation (kW)	3.6	3.6
Heat pump circuit power rating (kW)	1.95	1.95
Heat pump temperature setting (°C)	52	52
Refrigerant	R410a	R410a
Compressor type	rotary	rotary
Outdoor noise level	55	55
Water connections & settings		
Tank		
Inlet	RP ¾/20	RP ¾/20
Outlet	RP ¾/20	RP ¾/20
PTR valve pressure limit (kPa)	850	850
PTR valve temperature limit (°C)	99	99
Outdoor module		
Circulating water inlet and outlet connections	3/4"	3/4"
Power supply		
Tank	15A , 220-240V ~50Hz	15A , 220-240V ~50Hz
Outdoor module	220-240V, 50Hz	220-240V, 50Hz
Number of STC in off peak 2		
Zone 1	23	23
Zone 2	21	20
Zone 3	26	26
Zone 4	27	27

Gas continuous flow dimensions and specifications

Product code	KGC20BNA	KGC20BLA	KGC20KNA	KGC20KLA	KGC26BNA	KGC26BLA	KGC26KNA	KGC26KLA
Number of bathrooms	1- 1.5	1- 1.5	1- 1.5	1- 1.5	1.5 - 3	1.5 - 3	1.5 - 3	1.5 - 3
Gas continuous location	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor
Type of gas	natural gas	LPG	natural gas	LPG	natural gas	LPG	natural gas	LPG
Dimensions								
Gas continuous unit (W x H x D in mm)	350 x 520 x 170	350 x 520 x 170	350 x 520 x 170	350 x 520 x 170	350 x 520 x 215	350 x 520 x 215	350 x 520 x 215	350 x 520 x 215
Net weight (kg)								
Gas continuous unit (kg)	15.7	15.7	15.7	15.7	17.2	17.2	17.2	17.2
Technical specifications								
Gas energy star rating	6	6	6	6	5.3	5.3	5.3	5.3
Flow rate capacity (l/min)	20	20	20	20	26	26	26	26
Maximum temperature (°C)	50	50	60	60	50	50	60	60
Inlet gas supply pressure min-max (kPa)	1.13 - 2.75	2.61 - 2.89	1.13 - 2.75	2.61 - 2.89	1.13 - 2.75	2.61 - 2.89	1.13 - 2.75	2.61 - 2.89
Nomimal gas consumption (MJ/h)	160	160	160	160	195	195	195	195
Water connections & settings								
Water supply pressure min - max (kPa)*	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200
Water connection (mm)	15 BSP	15 BSP	15 BSP	15 BSP	15 BSP	15 BSP	15 BSP	15 BSP
Gas connection (mm)	20 BSP	20 BSP	20 BSP	20 BSP	20 BSP	20 BSP	20 BSP	20 BSP
Power Supply								
Electrical supply voltage	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz
Operating current	1.0A	1.0A	1.0A	1.0A	1.0A	1.0A	1.0A	1.0A
Power plug and cord	10A plug 1.5m cord	10A plug 1.5m cord	10A plug 1.5m cord	10A plug 1.5m cord	10A plug 1.5m cord	10A plug 1.5m cord	10A plug 1.5m cord	10A plug 1.5m cord
Additional accessories								
Recess box	KGCRB1A	KGCRB1A	KGCRB1A	KGCRB1A	KGCRB1A	KGCRB1A	KGCRB1A	KGCRB1A
Remote control†	KGCMRCA	KGCMRCA	KGCMRCA	KGCMRCA	KGCMRCA	KGCMRCA	KGCMRCA	KGCMRCA

*The water heater will operate at reduced performance if inlet water supply pressure is below 340 kPa

† Remote controller not water resistant therefore not suitable for bathroom installation.

Kelvinator

Solar electric boosted flat panel dimensions and specifications

Product Code	KSE270F2A	KSE270F3A	KSE340F2A	KSE340F3A	KSE450F3A
Number of people	2 - 4	2 - 4	3 - 5	3 - 5	4 - 6
Tank location	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor
Collector type	flat panel	flat panel	flat panel	flat panel	flat panel
Number of panels	2	3	2	3	3
Booster type	electric	electric	electric	electric	electric
Dimensions					
Tank (H x D in mm)	1390 x 648	1390 x 648	1690 x 648	1690 x 648	1715 x 730
Panel (L x W x H in mm)	2002 x 1025 x 80	2002 x 1025 x 80	2002 x 1025 x 80	2002 x 1025 x 80	2002 x 1025 x 80
Panel size (m2)	2.05	2.05	2.05	2.05	2.05
Net weight (kg)					
Tank	95	95	110	110	140
Panel (kg per panel)	34.5	34.5	34.5	34.5	34.5
Technical specifications					
Tank					
Capacity (L)	270	270	340	340	450
Element heating capacity (KW)	3.6	3.6	3.6	3.6	3.6
Flat panel					
Frame material	aluminium	aluminium	aluminium	aluminium	aluminium
Absorber material	TiNOX selective surface	TiNOX selective surface	TiNOX selective surface	TiNOX selective surface	TiNOX selective surface
Glazing	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass
Water connections & settings					
Tank					
Inlet	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20
Outlet	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20
PTR valve operating pressure (kPa)	850	850	850	850	850
PTR Valve Temperature Limit (°C)	99	99	99	99	99
Flat panel					
Header pipe	Ø22 copper pipe	Ø22 copper pipe	Ø22 copper pipe	Ø22 copper pipe	Ø22 copper pipe
Riser pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe
Maximum operating pressure (kPa)	1000	1000	1000	1000	1000
Power supply					
Tank	15A , 230-240V ~50Hz	15A , 230-240V ~50Hz	15A , 230-240V ~50Hz	15A , 230-240V ~50Hz	15A , 230-240V ~50Hz
Number of STCs in Off peak 2					
Zone 1	37	42	37	43	43
Zone 2	40	44	41	45	45
Zone 3	36	42	36	44	44
Zone 4	31	37	32	39	39

Solar electric boosted evacuated tubes dimensions and specifications

Product code	KSE270E2A	KSE270E3A	KSE340E2A	KSE340E3A	KSE450E3A
Number of people	2 - 4	2 - 4	3 - 5	3 - 5	4 - 6
Tank location	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor
Collector type	evacuated tubes	evacuated tubes	evacuated tubes	evacuated tubes	evacuated tubes
Number of panels	2	3	2	3	3
Number of tubes	24	36	24	36	36
Booster type	electric	electric	electric	electric	electric
Dimensions					
Tank (H x D in mm)	1390 x 648	1390 x 648	1690 x 648	1690 x 648	1715 x 730
Evac tubes panel size (L x W x H in mm)	1640 x 1390 x 100	1640 x 1390 x 100	1640 x 1390 x 100	1640 x 1390 x 100	1640 x 1390 x 100
Gross surface area (m2)	2.28	2.28	2.28	2.28	2.28
Net Weight (kg)					
Tank	95	95	110	110	140
Evacuated tube collectors (kg per panel)	37	37	37	37	37
Technical specifications					
Tank					
Capacity (L)	270	270	340	340	450
Element heating capacity (KW)	3.6	3.6	3.6	3.6	3.6
Booster type	electric booster	electric booster	electric booster	electric booster	electric booster
Evacuated tubes					
Collector capacity (l)	1.6	1.6	1.6	1.6	1.6
Collector material	al/glass/silicone	al/glass/silicone	al/glass/silicone	al/glass/silicone	al/glass/silicone
Glass tube material	borosilicate glass	borosilicate glass	borosilicate glass	borosilicate glass	borosilicate glass
Water connections & settings					
Tank					
Inlet	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20
Outlet	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20
PTR valve operating pressure (kPa)	850	850	850	850	850
PTR Valve Temperature Limit (°C)	99	99	99	99	99
Evacuated tubes					
Connection diameter, compression fitting (mm)	15	15	15	15	15
Maximum operating pressure (kPa)	1000	1000	1000	1000	1000
Power supply					
Tank	15A , 230-240V ~50Hz	15A , 230-240V ~50Hz	15A , 230-240V ~50Hz	15A , 230-240V ~50Hz	15A , 230-240V ~50Hz
Number of STCs in off peak 2					
Zone 1	39	42	40	44	45
Zone 2	42	44	42	45	46
Zone 3	37	44	38	46	47
Zone 4	33	40	33	41	41

Solar gas boosted flat panel dimensions and specifications

Product code	KSN27026F2A	KSL27026F2A	KSN27026F3A	KSL27026F3A	KSN34026F2A	KSL34026F2A	KSN34026F3A	KSL34026F3A
Number of people	2 - 4	2 - 4	2 - 4	2 - 4	3 - 5	3 - 5	3 - 5	3 - 5
Tank location	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor
Collector type	flat panel	flat panel	flat panel	flat panel	flat panel	flat panel	flat panel	flat panel
Gas booster location	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor
Number of panels	2	2	3	3	2	2	3	3
Booster type	gas	gas	gas	gas	gas	gas	gas	gas
Type of gas	natural gas	LPG	natural gas	LPG	natural gas	LPG	natural gas	LPG
Flow rate capacity (l/min)	26	26	26	26	26	26	26	26
Dimensions								
Tank (H x D in mm)	1390 x 648	1390 x 648	1390 x 648	1390 x 648	1690 x 648	1690 x 648	1690 x 648	1690 x 648
Panel (L x W x H in mm)	2002 x 1025 x 80	2002 x 1025 x 80	2002 x 1025 x 80	2002 x 1025 x 80	2002 x 1025 x 80	2002 x 1025 x 80	2002 x 1025 x 80	2002 x 1025 x 80
Panel size (m2)	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
Net weight (kg)								
Tank	95	95	95	95	110	110	110	110
Panel (kg per panel)	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
Gas booster	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
Technical specifications								
Tank								
Capacity (L)	270	270	270	270	340	340	340	340
Booster type	gas booster	gas booster	gas booster	gas booster	gas booster	gas booster	gas booster	gas booster
Flat panel								
Frame material	aluminium	aluminium	aluminium	aluminium	aluminium	aluminium	aluminium	aluminium
Absorber material	TiNOX selective surface	TiNOX selective surface	TiNOX selective surface	TiNOX selective surface	TiNOX selective surface	TiNOX selective surface	TiNOX selective surface	TiNOX selective surface
Glazing	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass	4 mm low iron tempered patterned glass
Gas booster								
Gas energy star rating	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Nomimal gas consumption (MJ/h)	195	195	195	195	195	195	195	195
Maximum temperature (°C)	70	70	70	70	70	70	70	70
Gas inlet supply pressure min-max (kPa)- NG	1.13 - 2.75	2.61 - 2.89	1.13 - 2.75	2.61 - 2.89	1.13 - 2.75	2.61 - 2.89	1.13 - 2.75	2.61 - 2.89
Water supply pressure min - max (kPa)*	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200
Water connections & settings								
Tank								
Inlet	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20
Outlet	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20
PTR valve operating pressure (kPa)	850	850	850	850	850	850	850	850
PTR valve temperature limit (°C)	99	99	99	99	99	99	99	99
Flat panel								
Header pipe	Ø22 copper pipe	Ø22 copper pipe	Ø22 copper pipe	Ø22 copper pipe	Ø22 copper pipe	Ø22 copper pipe	Ø22 copper pipe	Ø22 copper pipe
Riser pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe	8pcs- Ø10 copper pipe
Maximum operating pressure (kPa)	1000	1000	1000	1000	1000	1000	1000	1000
Number of STCs								
Zone 1	37	37	43	43	37	37	43	43
Zone 2	41	41	44	44	41	41	45	45
Zone 3	36	36	44	44	36	36	45	45
Zone 4	31	31	38	38	31	31	39	39

*The water heater will operate at reduced performance if inlet water supply pressure is below 340 kPa

Solar gas boosted evacuated tubes dimensions and specifications

Product code	KSN27026E2A	KSL27026E2A	KSN27026E3A	KSL27026E3A	KSN34026E2A	KSL34026E2A	KSN34026E3A	KSL34026E3A
Number of people	2 - 4	2 - 4	2 - 4	2 - 4	3 - 5	3 - 5	3 - 5	3 - 5
Tank location	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor	indoor or outdoor
Collector type	evacuated tube	evacuated tube	evacuated tube	evacuated tube	evacuated tube	evacuated tube	evacuated tube	evacuated tube
Gas booster location	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor	outdoor
Number of panels	2	2	3	3	2	2	3	3
Number of tubes	24	24	36	36	24	24	36	36
Booster type	gas	gas	gas	gas	gas	gas	gas	gas
Type of gas	natural gas	LPG	natural gas	LPG	natural gas	LPG	natural gas	LPG
Flow rate capacity (l/min)	26	26	26	26	26	26	26	26
Dimensions								
Tank (H x D in mm)	1390 x 648	1390 x 648	1390 x 648	1390 x 648	1690 x 648	1690 x 648	1690 x 648	1690 x 648
Evac tubes panel size(L x W x H in mm)	1640 x 1390 x 100	1640 x 1390 x 100	1640 x 1390 x 100	1640 x 1390 x 100	1640 x 1390 x 100	1640 x 1390 x 100	1640 x 1390 x 100	1640 x 1390 x 100
Surface area per collector (m2)	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
Net weight (kg)								
Tank	95	95	95	95	110	110	110	110
Evacuated tube collectors (per panel)	37	37	37	37	37	37	37	37
Gas booster	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
Technical specifications								
Tank								
Capacity (L)	270	270	270	270	340	340	340	340
Booster type	gas booster	gas booster	gas booster	gas booster	gas booster	gas booster	gas booster	gas booster
Evacuated tubes								
Collector material	al/glass/ silicone	al/glass/ silicone	al/glass/ silicone	al/glass/ silicone	al/glass/ silicone	al/glass/ silicone	al/glass/ silicone	al/glass/ silicone
Glass tube material	borosilicate glass	borosilicate glass	borosilicate glass	borosilicate glass	borosilicate glass	borosilicate glass	borosilicate glass	borosilicate glass
Gas booster								
Gas energy star rating	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Nomimal gas consumption (MJ/h)	195	195	195	195	195	195	195	195
Maximum temperature (C)	70	70	70	70	70	70	70	70
Gas inlet supply pressure min-max (kPa)- NG	1.13 - 2.75	2.61 - 2.89	1.13 - 2.75	2.61 - 2.89	1.13 - 2.75	2.61 - 2.89	1.13 - 2.75	2.61 - 2.89
Water Supply Pressure min - max (kPa)*	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200	150 - 1200
Water connections & settings								
Tank								
Inlet	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20
Outlet	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20	RP ¾/20
PTR valve operating pressure (kPa)	850	850	850	850	850	850	850	850
PTR valve temperature limit (°C)	99	99	99	99	99	99	99	99
Evacuated tubes								
Connection diameter, compression fitting (mm)	15	15	15	15	15	15	15	15
Working pressure (kPa)	1000	1000	1000	1000	1000	1000	1000	1000
Number of STCs								
Zone 1	39	39	44	44	39	39	45	45
Zone 2	42	42	45	45	42	42	45	45
Zone 3	37	37	47	47	37	37	47	47
Zone 4	32	32	40	40	32	32	41	41

*The water heater will operate at reduced performance if inlet water supply pressure is below 340 kPa

Peace of mind for the whole family

Kelvinator stands for quality. Which is why we can confidently offer up to 10 years warranty on selected hot water system components and up to 3 years on labour, keeping your family comfortable, day after day.

Warranty

Electrolux Home Products warrants that the Kelvinator models featured in this brochure are free from defects in materials and workmanship for periods listed in the table below:

Kelvinator hot water system components Warranty	Gas continuous flow		Storage tanks & outdoor unit			Solar flat panel collectors		Solar evacuated tubes collectors	
	Heat exchanger	All other components	Tank	Outdoor module	All other components	Flat panel collectors	All other components	Evacuated tubes	All other components
Component	10 years	3 years	5 years	2 years	1 year	5 years	1 year	5 years	1 year
Labour	3 years	3 years	3 years	2 years	1 year	3 years	1 year	3 years	1 year

Product information

The descriptors and illustrations in this publication apply to the specific products and models described as at the date of issue. Under our policy of continuous product development, product specifications may change without notice. Prospective purchasers should therefore check with their retailer to ensure this publication correctly describes the products that are being offered for sale. All information supplied is to be used for general reference purposes only and is on the understanding that Electrolux Home Products Pty Ltd will not be liable for any loss, liability or damage of whatever kind arising as a result of reliance on such information. Colours of products illustrated are as close as printing limitations allow. Electrolux will at all times comply with its obligation pursuant to law including Trade Practices (Australian Consumer Law) Act and Regulations.

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